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DPD-4591-60

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3 June 1960

MEMORANDUM FOR : Chief, Special Requirements Staff, DPD-DD/P
SUBJECT : NSA Request for Airborne HF/DF
REFERENCE : DPD-4418-60, dated 31 May 1960

1. Reference discussed the present status of the request by NSA for an airborne HF/DF capability to assist in satisfying certain requirements.

2. Investigation of all likely sources of available equipment suitable for this use has been made, and it has been determined that suitable equipment does not exist to satisfy the requirement. [REDACTED] personnel have attempted to modify existing equipment with no significant success. Any further attempts to modify existing equipment to satisfy the NSA requirement are considered not advisable. The most that could be hoped for is only mediocre success. If DPD is to satisfy NSA's requirement, it is recommended that a new piece of equipment be designed for the purpose. Such a piece of equipment would be a valuable addition to DPD's inventory.

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3. The Development Branch has investigated the problems involved in the design of a suitable piece of equipment and submits that such equipment could be designed and built in four to six months. The costs involved would be in the vicinity of \$60,000 for two systems. Each system would consist of two boxes for the electronics and power supply, one control box, one indicator, and one antenna. The weight of the system would not exceed thirty (30) pounds.

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4. Funds to cover development of equipment to satisfy this requirement are not included in the Development Branch's budget. Consequently if such development is to be undertaken, the necessary funds must be provided from other sources. If such funds are provided, the Development Branch will develop and provide a direction finding system capable of satisfying NSA's requirement.

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Development Branch
DPD-DD/P

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